

## ACCUMULATOR WITH VARIABLE LIMITS

### ABSTRACT

5 The amplitudes of a signal on the microphone input of a telephone and a signal on the line input of the telephone are compared with each other and with two thresholds. The comparisons are sampled and the samples control an accumulator including an up-down counter and logic to provide adjustable thresholds. The count in the counter is compared with two other thresholds and the results of the comparisons are used to apply either variable data or fixed data to the counter.